BTEC Assignment Brief

Qualification	Pearson BTEC International Level 3 Subsidiary Diploma in Applied Science Pearson BTEC International Level 3 Foundation Diploma in Applied Science Pearson BTEC International Level 3 Diploma in Applied Science Pearson BTEC International Level 3 Diploma in Environmental Science Pearson BTEC International Level 3 Extended Diploma in Applied Science Pearson BTEC International Level 3 Extended Diploma in Environmental Science
Unit number and title	**Unit 24: Pollution and Waste Management**
Learning aim(s)	**B**: Explore the effects of pollution on flora and fauna
Assignment title	**'Damage to all life forms!'**
Assessor	
Issue date	
Hand in deadline	

Vocational Scenario or Context	You have recently found employment as a junior technician working for an environmental group. The group is part of a larger organization which advises local authorities and businesses. It also has a publishing section which produces a quarterly magazine highlighting the current issues in the environment. You have been asked to provide detailed research into the effects of all forms of pollution on plants and animals in preparation for the next edition of the magazine.

Task	Produce a report which **explains** the effects of pollution on flora and fauna. Your research must be sufficiently detailed to ensure that it covers all the main aspects of pollution and its effects on the natural world. The report should include: • The historic use of pesticides and other chemicals and the effects they have on animal species • Oil spills and mining activities that have had serious effects on animals in confined locations • The effects of acid rain, how it develops and its effect on aquatic organisms • Case Studies on – 'A Plastic Whale', 'Changes to Coral Reefs' and ;the Effects of Oil Spills' showing cause and effect • The effects of sea warming and increased levels of acidity on marine organisms • The change to coral reefs • Changes in growth of animals from chemical changes and adaptation • Human bronchial problems including asthma

	• Light pollution and its effects on wildlife • The development of greenhouse gases **Identify** and **explain** how plants are affected by all forms of pollution. You will need to focus the work on the evidence of pollution effects identified. • Air pollution • Water pollution • Land / soil pollution In addition to this you should **describe** the drop in plant species in the last 50 years in terms of establishing reasons and also highlight the benefits of having varied plant species in urban areas. Finally, you should explain the adaptation of animal species to pollution by referencing changes to food webs and chains over time.
Checklist of evidence required	A report that includes: • An **explanation** of the effects of pollution on animals • An **identification** and **explanation** of the effects of pollution on plants • A **description** of the drop in plant species in a specified timescale.

Unit/Criteria reference	To achieve the criteria, you must show that you are able to:
B.D2	Evaluate the effects of pollution on the plant and animal kingdoms
B.M2	Explain the effects of pollution on the plant and animal kingdoms
B.P2	Describe the evidence relating to pollution effects on the animal kingdom
B.P3	Describe the evidence relating to pollution effects on the plant kingdom
Sources of information to support you with this Assignment	www.imdb.com › title www.primevideo.com › detail › A-Plastic-Whale www.safewater.org › fact-sheets-1 › pesticides sciencing.com › Science › Nature › Environment en.wikipedia.org › wiki › Oil_spill www.nationalgeographic.com › environment › global-warming › polluti.. www.who.int › Health topics